



ARRI TECHNICAL NOTE P - 1034

Cine Tape Measure & LDS November 8, 2004

Summary

This note describes how the Cinematography Electronics Cine Tape Measure can be used with the ARRI Lens Data System.

Introduction

The Cine Tape Measure from Cinematography Electronics is an ultrasonic distance measuring device that can be mounted to the camera. The ARRI Lens Data System software has been modified so it can accept input from the Cine Tape Measure. This can be used as follows:

Display Measured Distance

The measured distance from the Cine Tape Measure is displayed as a mark on the focus scale of the Lens Data Display Classic (LDD) or the Lens Data Display for Focus Puller (LDD-FP). This also works when the LDD-FP is used wirelessly.

Focus Tracking

When the LDD-FP and the Wired Handgrip Attachment 3 (WHA-3) are used, it is also possible to let the lens motors continuously set the lens to the measured distance, thus tracking the focus. This function can easily be activated and de-activated by the FOCUS TRACK button on the WHA-3.

Setup

The following parts are needed to operate the Cine Tape Measure with the Lens Data System:

1. For ARRICAM Studio, ARRICAM Lite

- ARRICAM software packet 03E or later. This ARRICAM software packet also contains the necessary update for the LDD-FP.
- CTM to CAC Cable (0,3m/1ft) K-CAC-CTM, K2.52265.0
Connects the Cine Tape Measure to the ARRICAM CAC socket.
- Cine Tape Measure.

2. For 435 Xtreme or 435 Advanced/FEM-2

- 435 Xtreme or 435 Advanced/FEM-2 with software packet 02E or later. This 435X/A software packet also contains the necessary update for the LDD-FP.
- CTM to FEM-2 Cable (0,3m/1ft) K-CCU-CTM, K2.52273.0
Connects the Cine Tape Measure to the 435 FEM-2 CCU socket.
- Cine Tape Measure.

Note: To use the focus tracking feature a WHA-3 (K2.52264.0) has to be used with a WFU-1 or WFU-3. The WHA-3 has to be connected via a 5 pin LCS cable (LC-Z1, LC-Z2, LC-M1, LC-M2) to the 5 pin LCS connector on the cameras.

Note: The measured distance cannot be displayed when the LDD-FP is connected to the UMC-3.

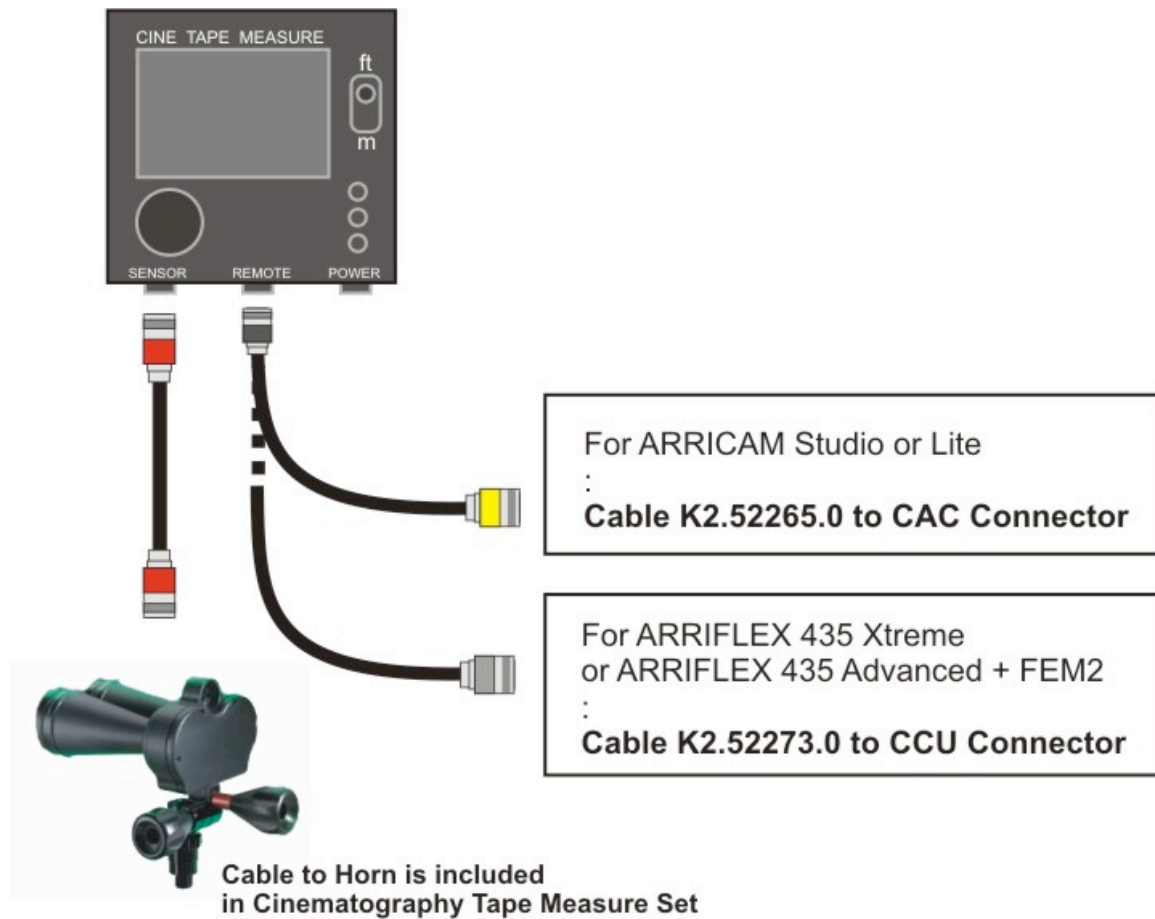
Note: The measured distance cannot be displayed on the video assist.

Note: The Lens Data System just displays the values it receives from the Cine Tape Measure. It is the responsibility of the user to make sure the Cine Tape Measure is used correctly!

Note: Do not connect the power supply to the Cine Tape Measure (POWER connector). The Cine Tape Measure is powered through the K-CAC-CTM or K-CCU-CTM cable.

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Connection Diagram



For more information on this issue, please contact your local ARRI representative.
Technical data are subject to change without notice.